

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052522\
 Data File : VX028956.D
 Acq On : 25 May 2022 17:24
 Operator : JC/MD
 Sample : N3034-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FD-2

Quant Time: May 26 05:45:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

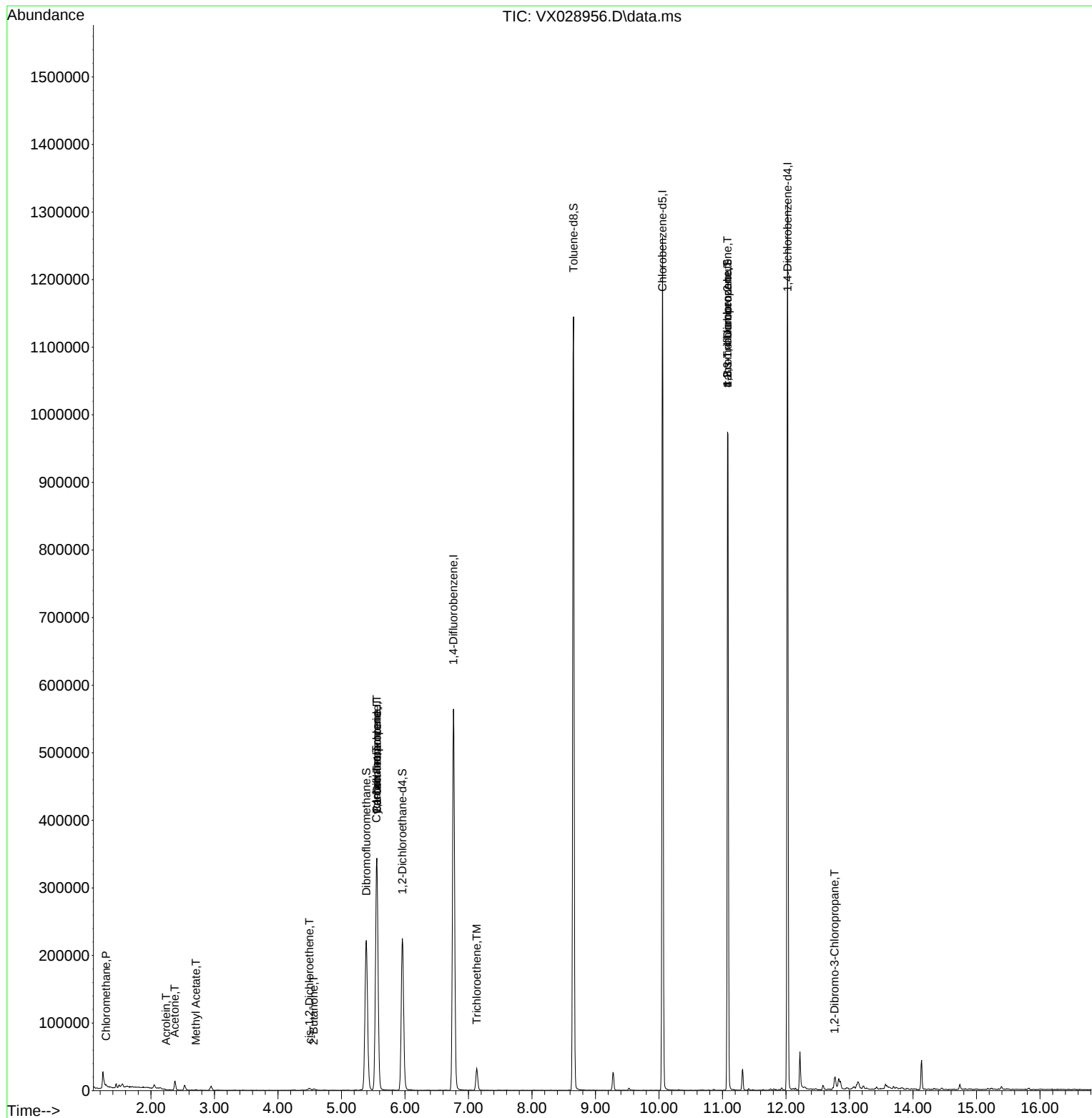
Internal Standards						
1) Pentafluorobenzene	5.556	168	320278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	578859	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	561951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	225156	51.285	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.580%	
35) Dibromofluoromethane	5.391	113	193884	51.122	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.240%	
50) Toluene-d8	8.653	98	692410	48.424	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 96.840%	
62) 4-Bromofluorobenzene	11.079	95	276997	51.865	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 103.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	856	0.217	ug/l #	87
5) Bromomethane	1.624	94	760	Below Cal		85
6) Chloroethane	1.630	64	610	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	3674	Below Cal	#	72
13) Acrolein	2.240	56	442	0.613	ug/l	85
16) Acetone	2.374	43	14391	7.638	ug/l #	85
18) Methyl Acetate	2.709	43	954	0.202	ug/l #	67
25) 2-Butanone	4.562	43	1512	0.511	ug/l #	73
27) cis-1,2-Dichloroethene	4.495	96	1982	0.455	ug/l #	64
31) Cyclohexane	5.550	56	6566	1.077	ug/l #	9
36) 1,1-Dichloropropene	5.556	75	24868	4.366	ug/l #	50
38) Carbon Tetrachloride	5.556	117	34339	5.990	ug/l #	17
44) Trichloroethene	7.129	130	12677	2.855	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	138574	22.062	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	138574	64.591	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.762	75	412	0.277	ug/l #	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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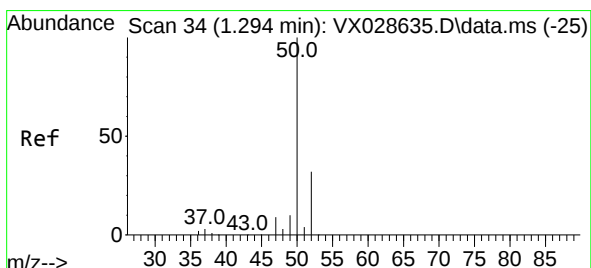
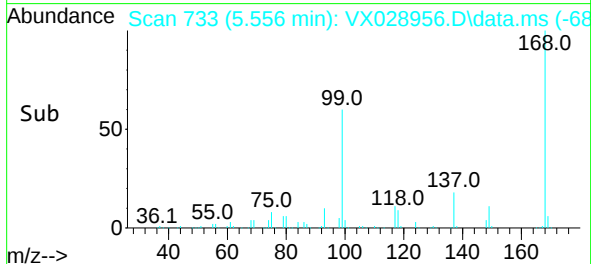
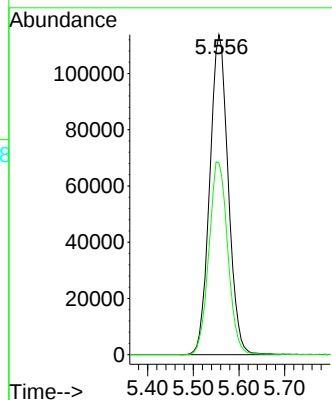
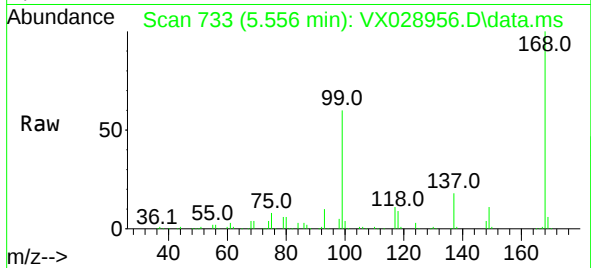




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

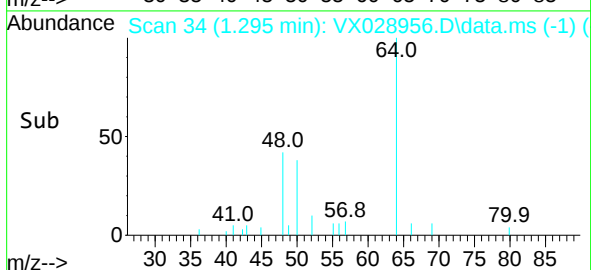
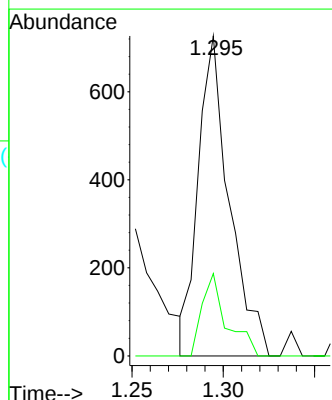
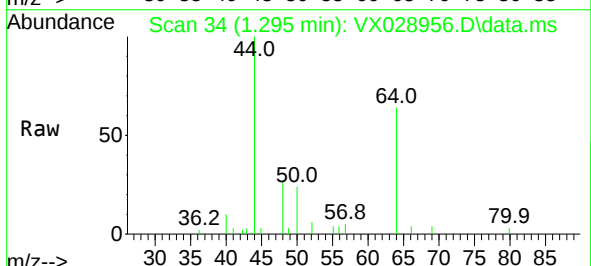
Instrument :
MSVOA_X
ClientSampleId :
FD-2

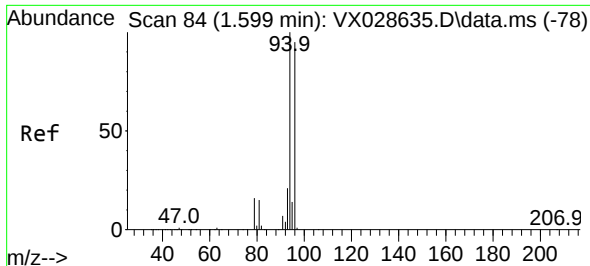
Tgt Ion:168 Resp: 320278
Ion Ratio Lower Upper
168 100
99 60.0 41.7 62.5



#3
Chloromethane
Concen: 0.217 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

Tgt Ion: 50 Resp: 856
Ion Ratio Lower Upper
50 100
52 25.7 26.4 39.6#

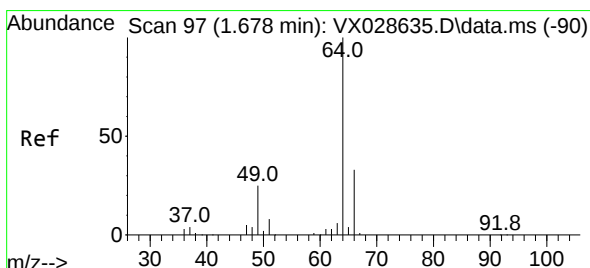
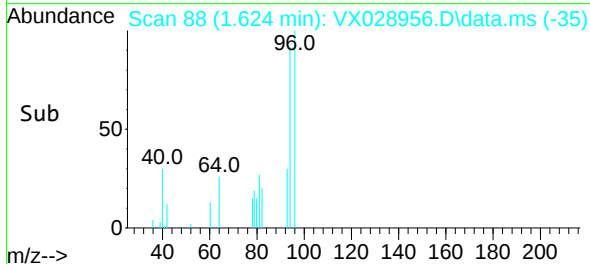
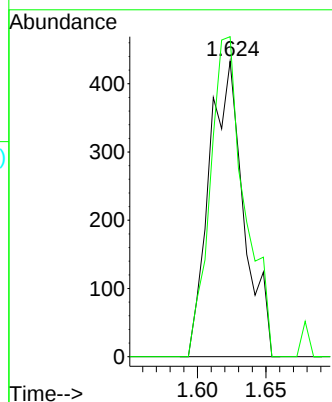
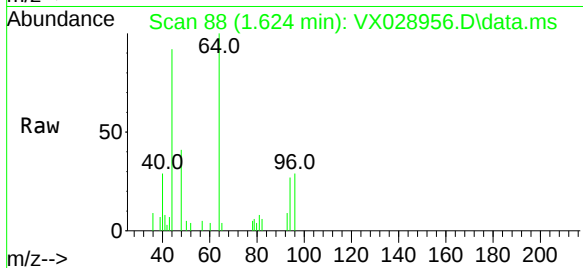




#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 81
Delta R.T. 0.025 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

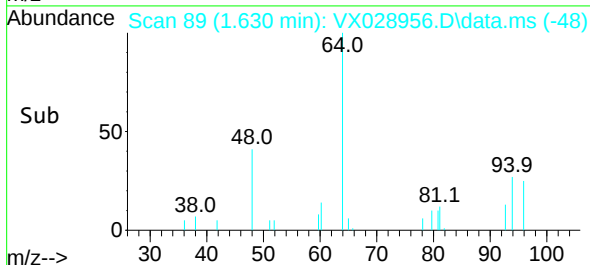
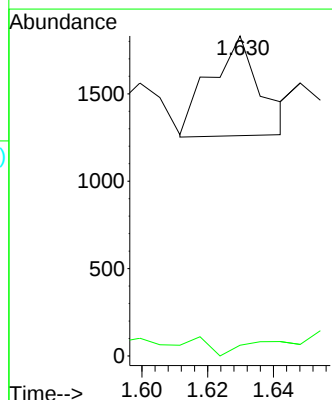
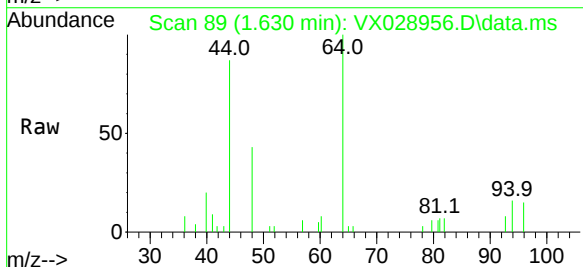
Instrument :
MSVOA_X
ClientSampleId :
FD-2

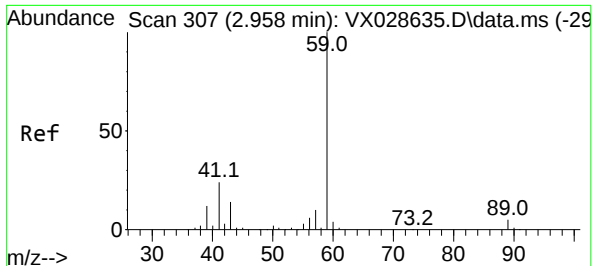
Tgt Ion: 94 Resp: 760
Ion Ratio Lower Upper
94 100
96 108.3 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.630 min Scan# 89
Delta R.T. -0.048 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

Tgt Ion: 64 Resp: 610
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 307

Delta R.T. -0.011 min

Lab File: VX028956.D

Acq: 25 May 2022 17:24

Instrument :

MSVOA_X

ClientSampleId :

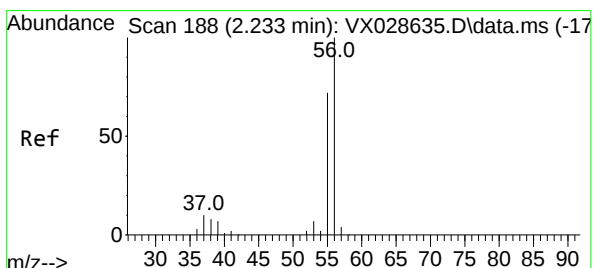
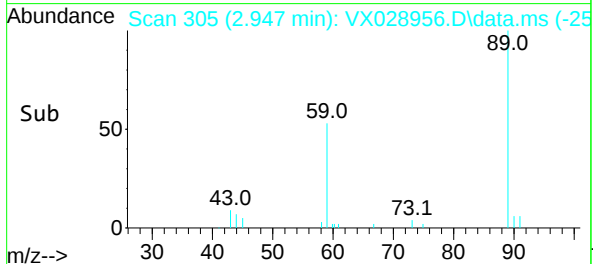
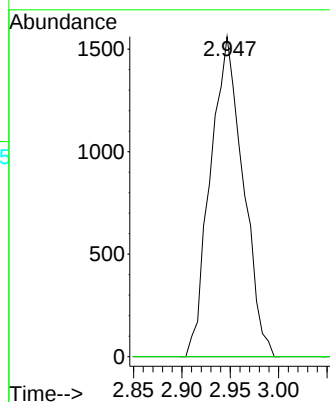
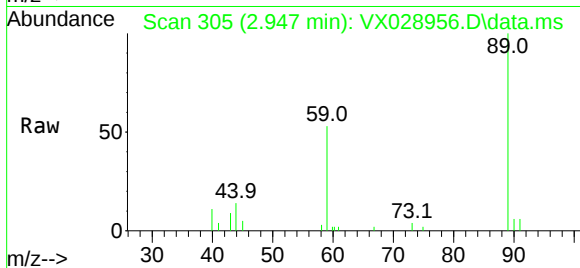
FD-2

Tgt Ion: 59 Resp: 3674

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.613 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX028956.D

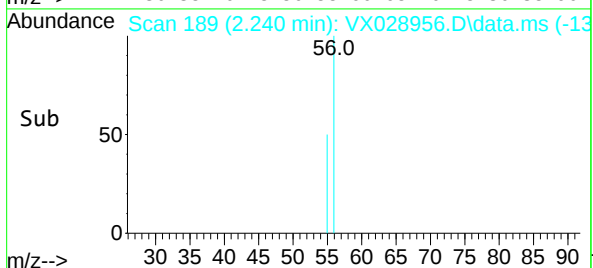
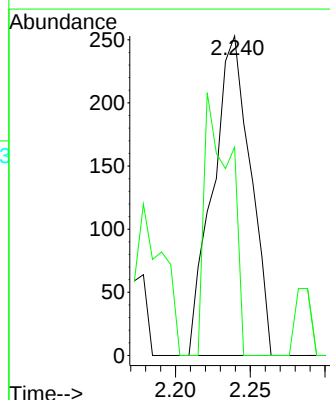
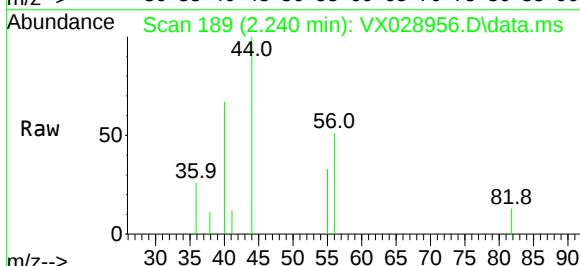
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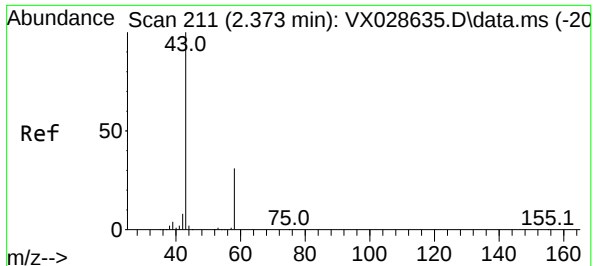
Tgt Ion: 56 Resp: 442

Ion Ratio Lower Upper

56 100

55 56.3 55.0 82.6

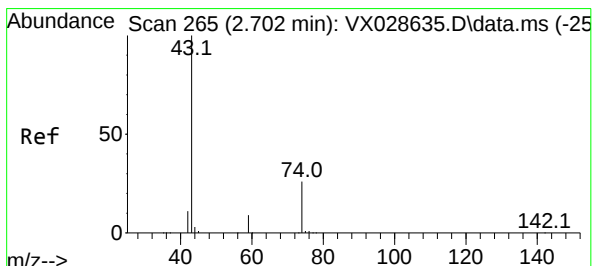
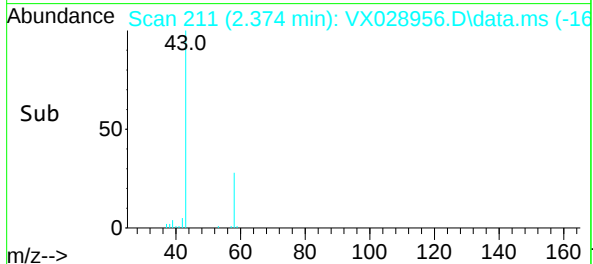
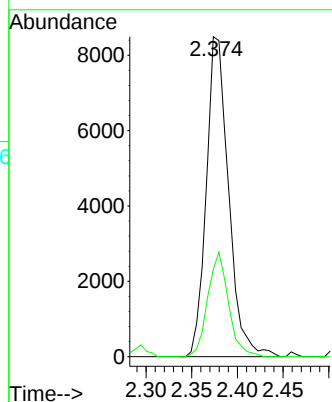
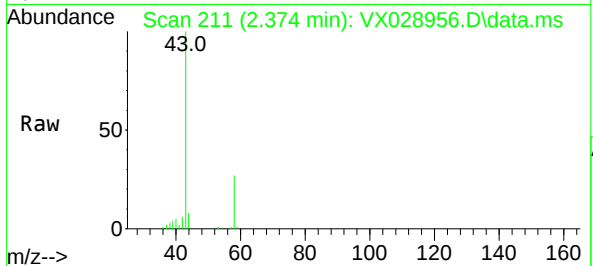




#16
Acetone
Concen: 7.638 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.001 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

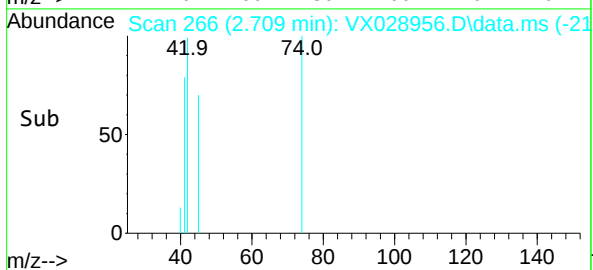
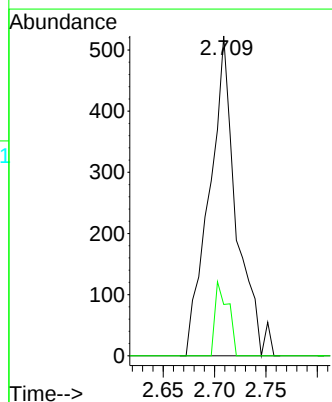
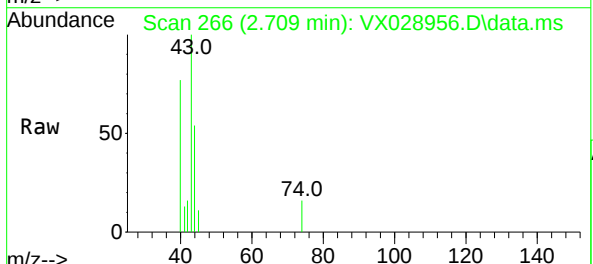
Instrument :
MSVOA_X
ClientSampleId :
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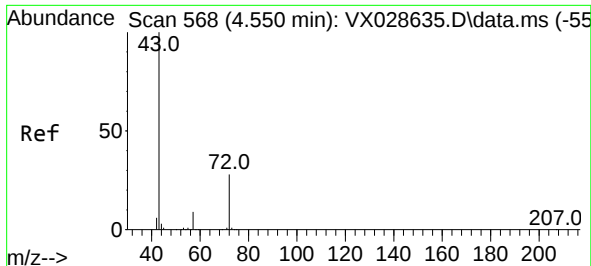
Tgt Ion: 43 Resp: 14391
Ion Ratio Lower Upper
43 100
58 27.4 28.8 43.2#



#18
Methyl Acetate
Concen: 0.202 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.007 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

Tgt Ion: 43 Resp: 954
Ion Ratio Lower Upper
43 100
74 11.1 22.8 34.2#

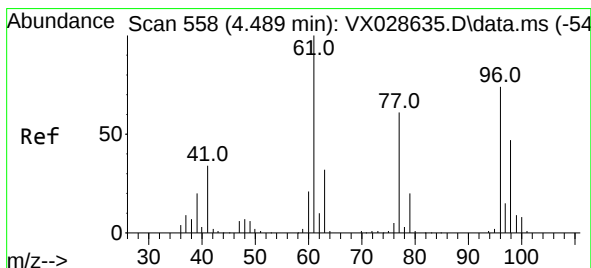
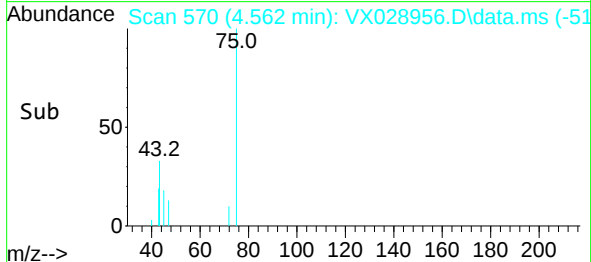
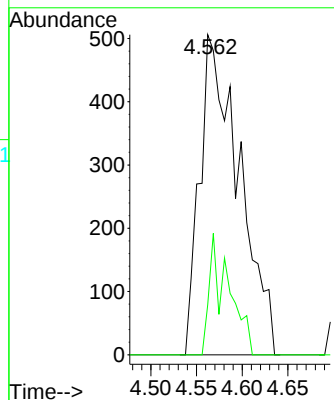
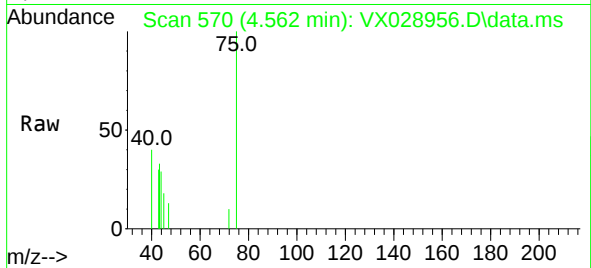




#25
2-Butanone
Concen: 0.511 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

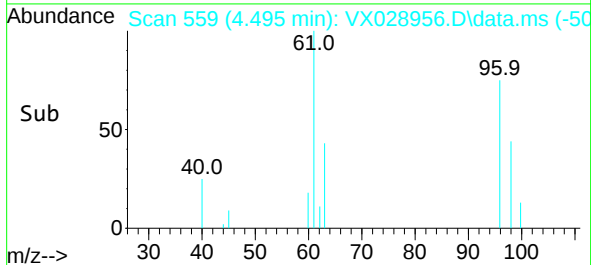
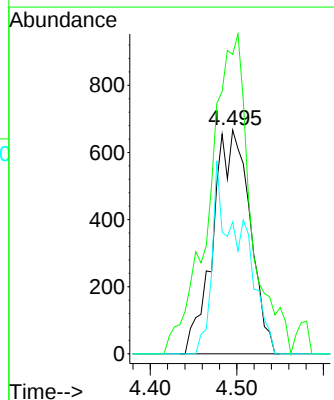
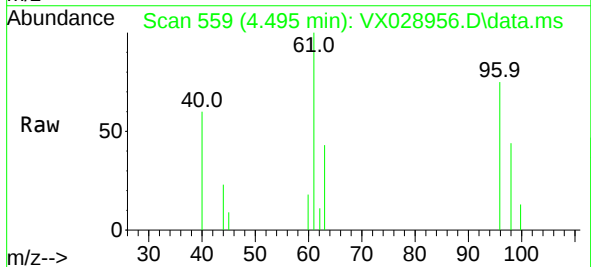
Instrument :
MSVOA_X
ClientSampleId :
FD-2

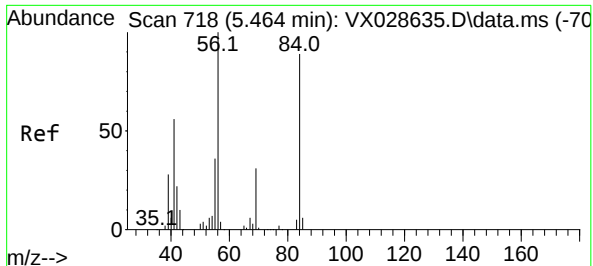
Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
72 15.6 24.4 36.6#



#27
cis-1,2-Dichloroethene
Concen: 0.455 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

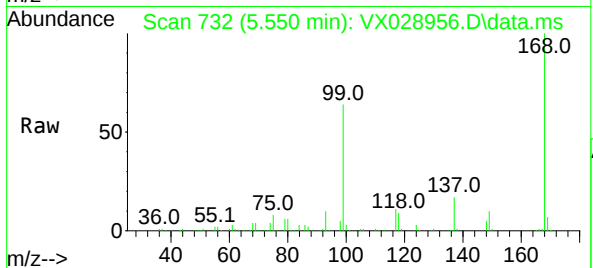
Tgt Ion: 96 Resp: 1982
Ion Ratio Lower Upper
96 100
61 159.7 0.0 283.8
98 0.0 0.0 129.8



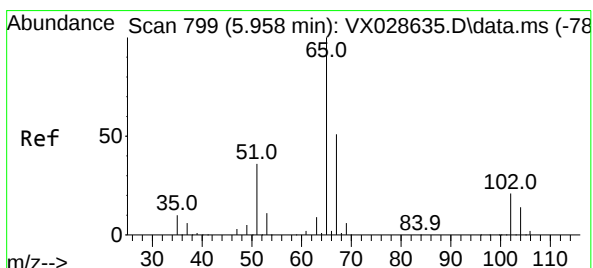
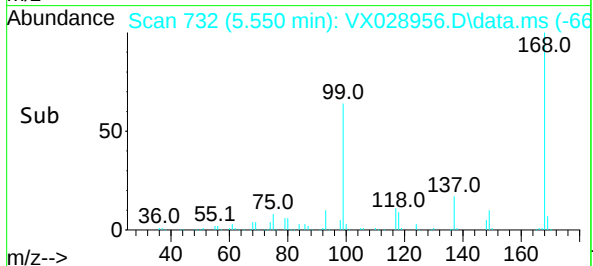
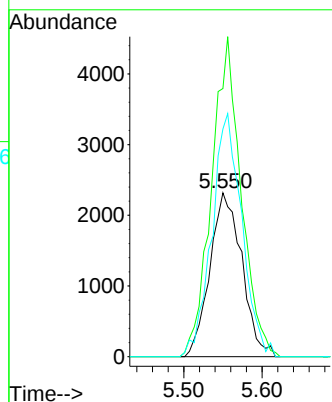


#31
Cyclohexane
Concen: 1.077 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

Instrument :
MSVOA_X
ClientSampleId :
FD-2

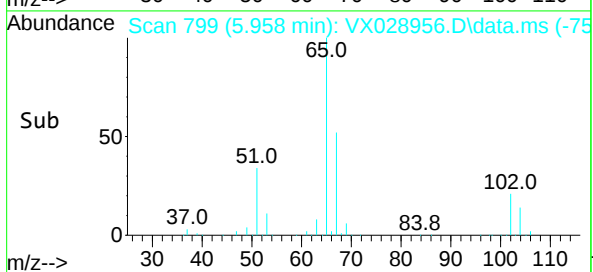
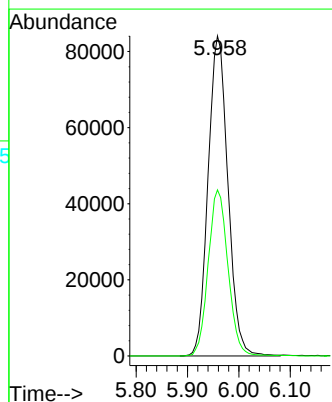
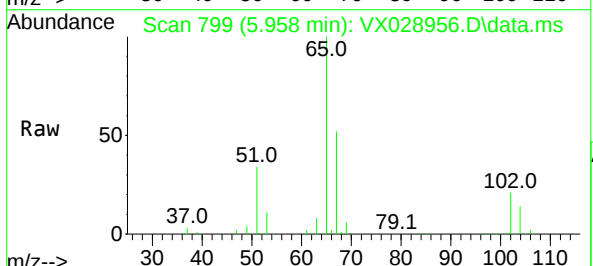


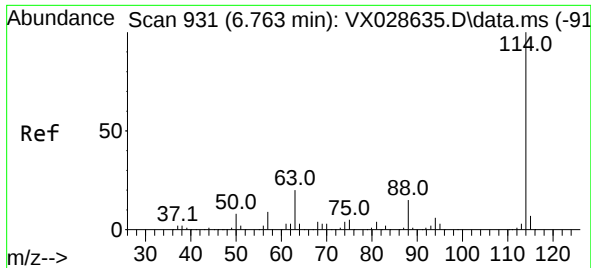
Tgt Ion: 56 Resp: 6566
Ion Ratio Lower Upper
56 100
69 163.7 26.7 40.1#
84 139.0 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 51.285 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

Tgt Ion: 65 Resp: 225156
Ion Ratio Lower Upper
65 100
67 51.7 0.0 107.4

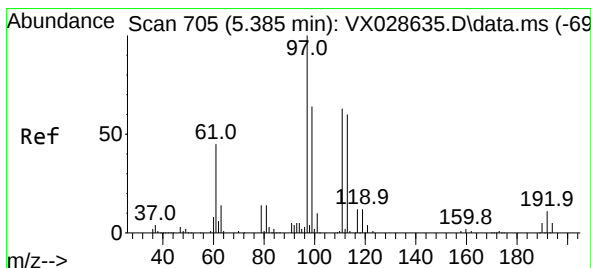
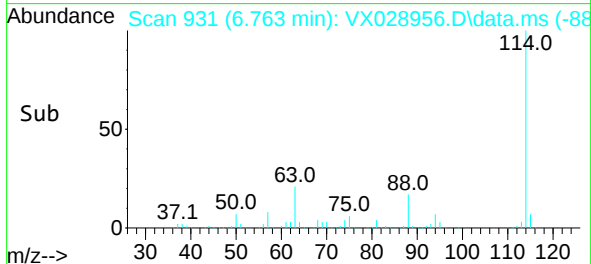
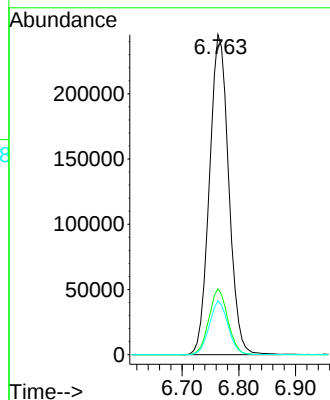
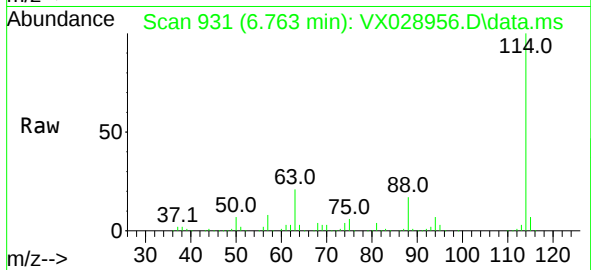




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX028956.D
 Acq: 25 May 2022 17:24

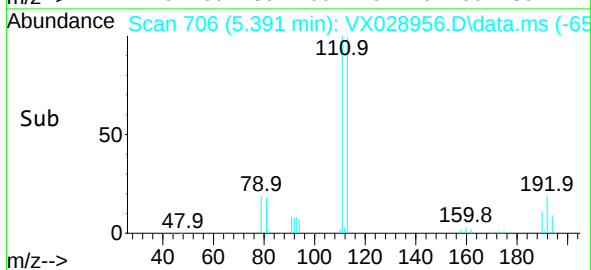
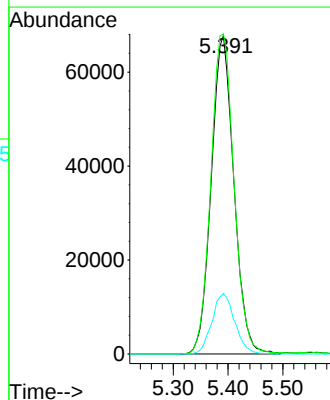
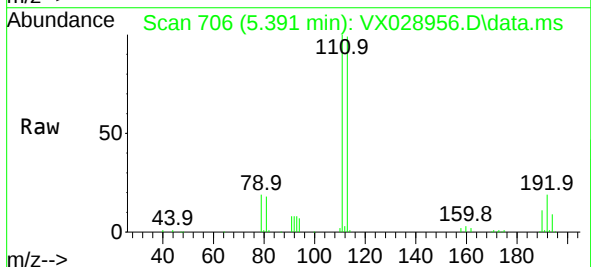
Instrument :
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 FD-2

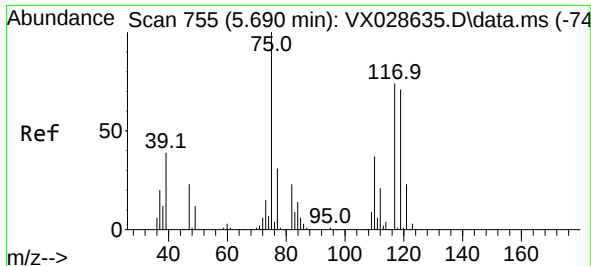
Tgt Ion:114 Resp: 578859
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 36.8
 88 16.9 0.0 32.4



#35
 Dibromofluoromethane
 Concen: 51.122 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.006 min
 Lab File: VX028956.D
 Acq: 25 May 2022 17:24

Tgt Ion:113 Resp: 193884
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.8 124.2
 192 19.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.366 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX028956.D

Acq: 25 May 2022 17:24

Instrument :

MSVOA_X

ClientSampleId :

FD-2

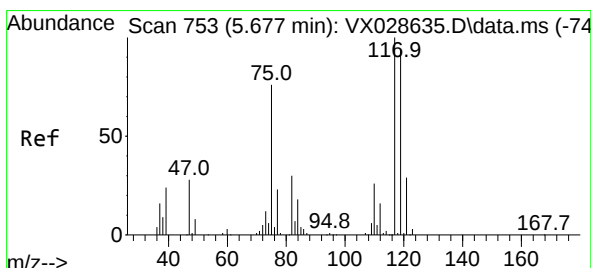
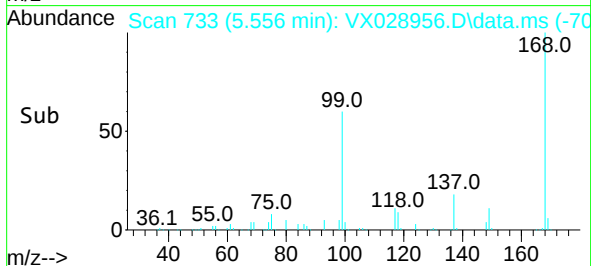
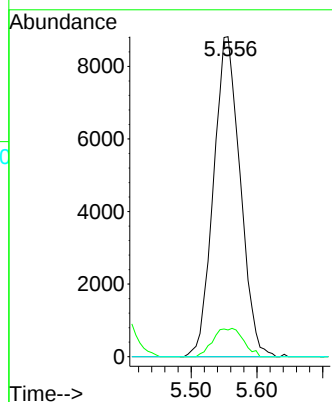
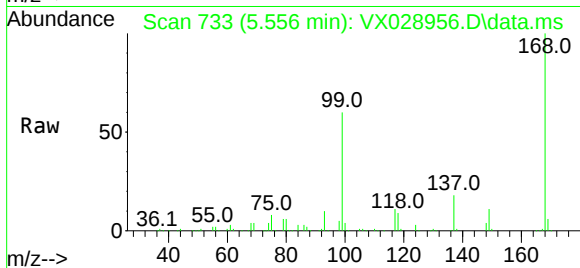
Tgt Ion: 75 Resp: 24868

Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.990 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.121 min

Lab File: VX028956.D

Acq: 25 May 2022 17:24

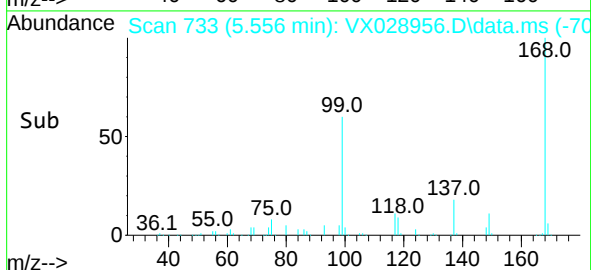
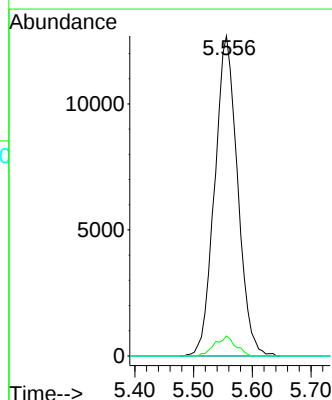
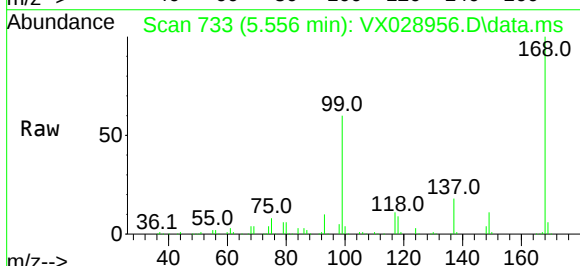
Tgt Ion: 117 Resp: 34339

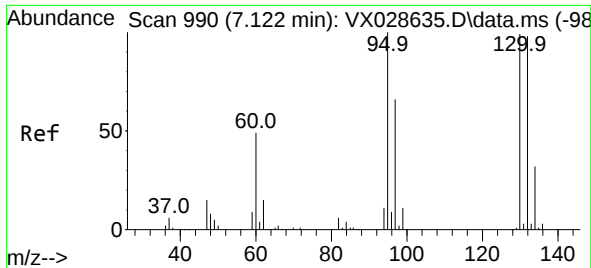
Ion Ratio Lower Upper

117 100

119 6.2 77.3 115.9#

121 0.0 24.2 36.2#

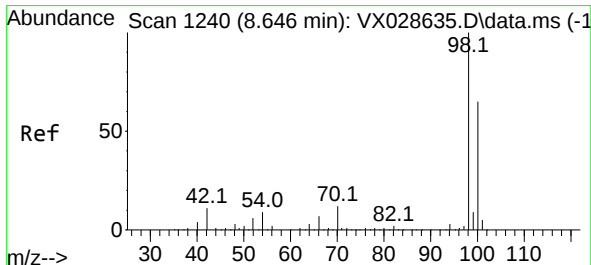
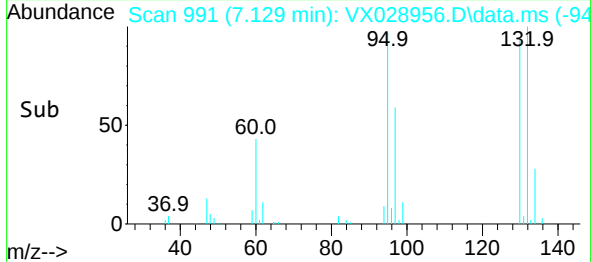
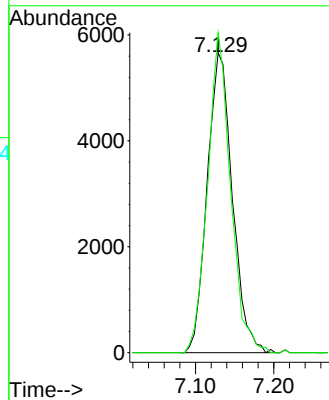
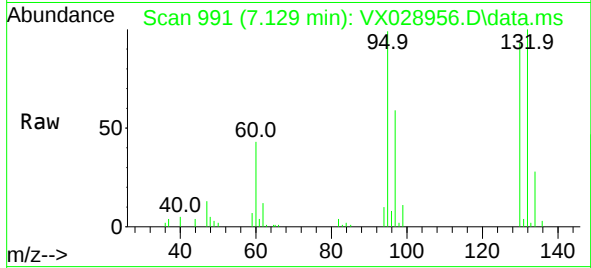




#44
Trichloroethene
Concen: 2.855 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

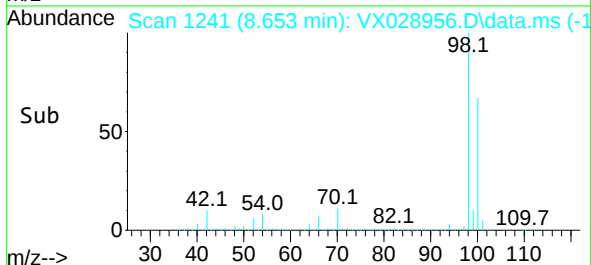
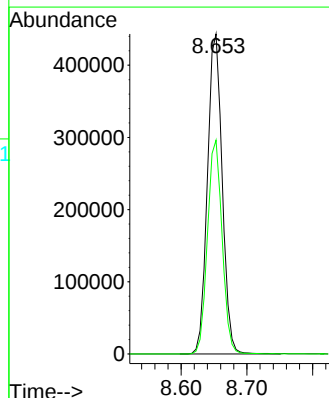
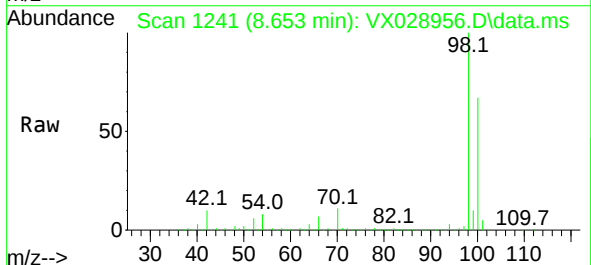
Instrument :
MSVOA_X
ClientSampleId :
FD-2

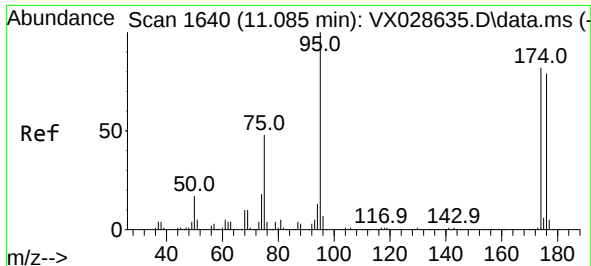
Tgt Ion:130 Resp: 12677
Ion Ratio Lower Upper
130 100
95 106.7 0.0 188.8



#50
Toluene-d8
Concen: 48.424 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

Tgt Ion: 98 Resp: 692410
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 51.865 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX028956.D

Acq: 25 May 2022 17:24

Instrument :

MSVOA_X

ClientSampleId :

FD-2

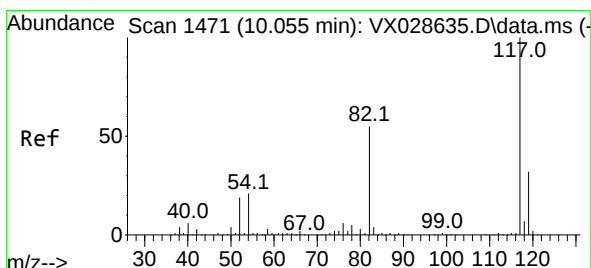
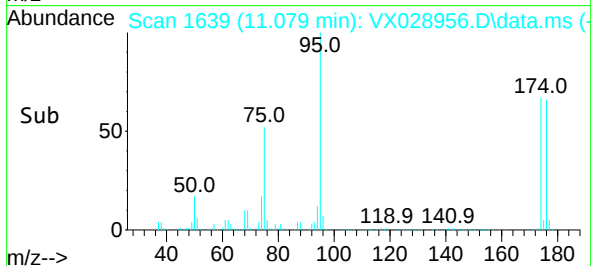
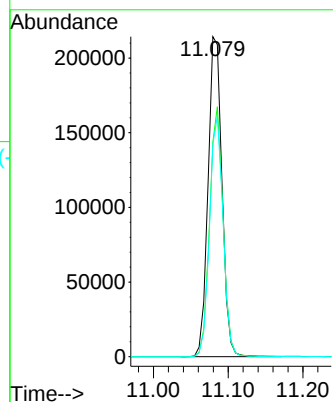
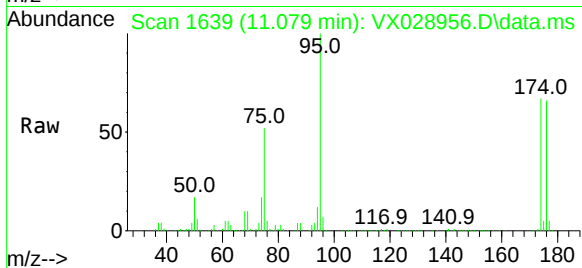
Tgt Ion: 95 Resp: 276997

Ion Ratio Lower Upper

95 100

174 75.6 0.0 163.0

176 73.0 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028956.D

Acq: 25 May 2022 17:24

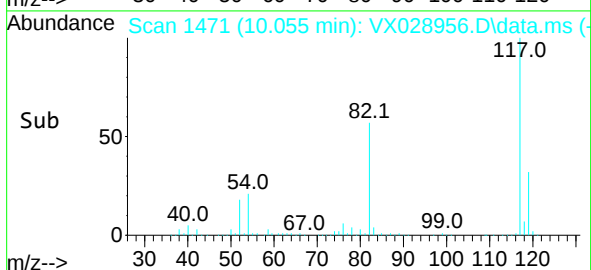
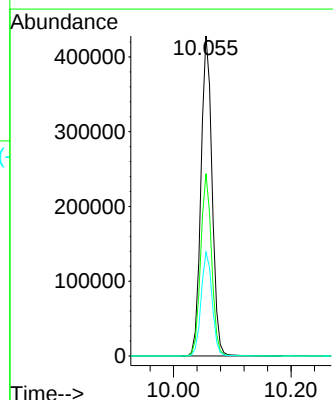
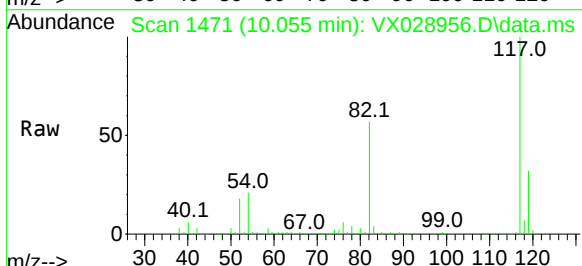
Tgt Ion: 117 Resp: 561951

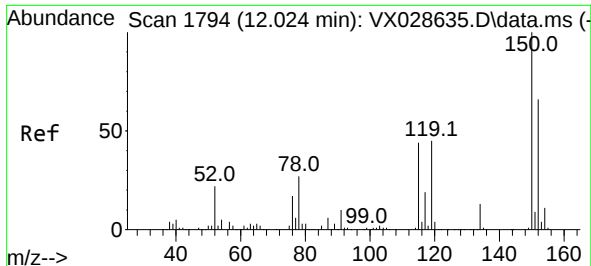
Ion Ratio Lower Upper

117 100

82 56.9 41.8 62.8

119 32.4 24.8 37.2

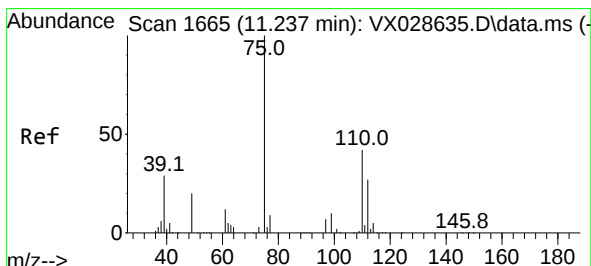
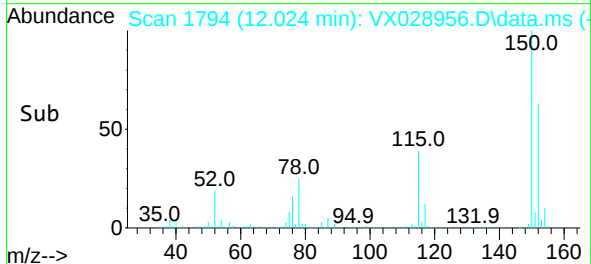
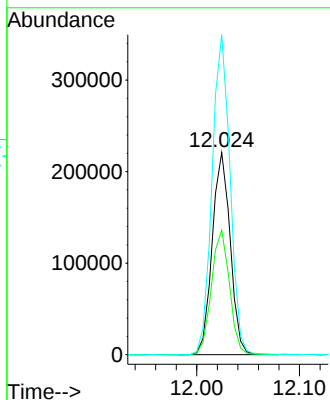
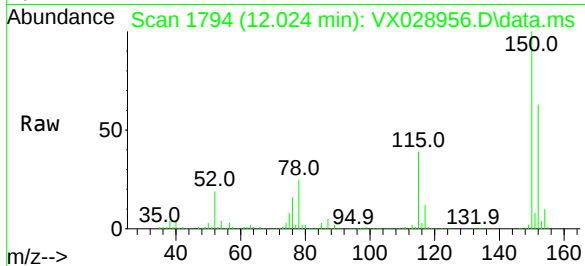




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

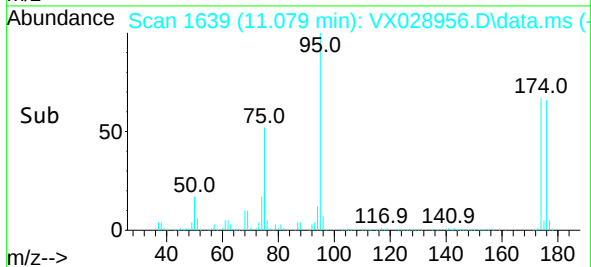
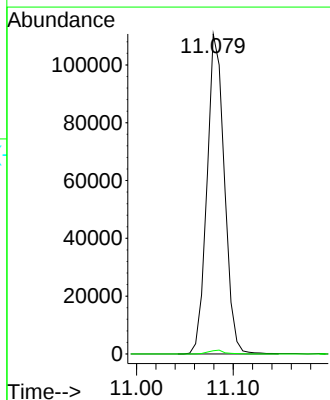
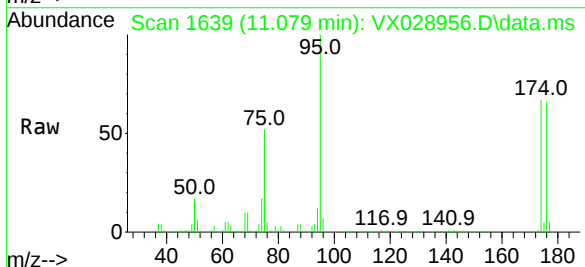
Instrument :
MSVOA_X
ClientSampleId :
FD-2

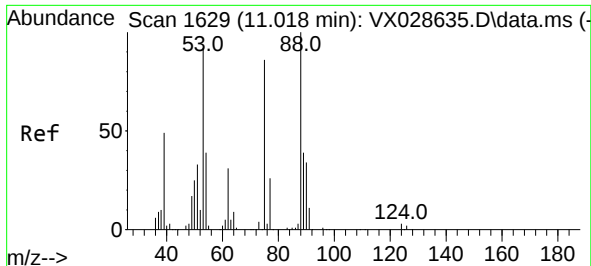
Tgt Ion:152 Resp: 268209
Ion Ratio Lower Upper
152 100
115 61.7 37.5 112.7
150 158.0 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 22.062 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028956.D
Acq: 25 May 2022 17:24

Tgt Ion: 75 Resp: 138574
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#

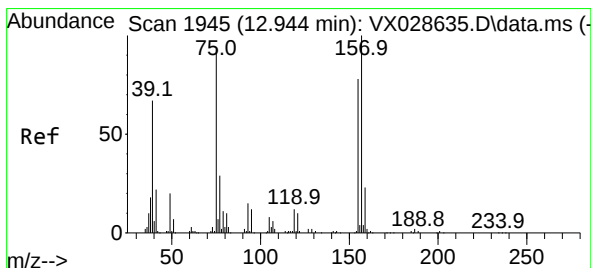
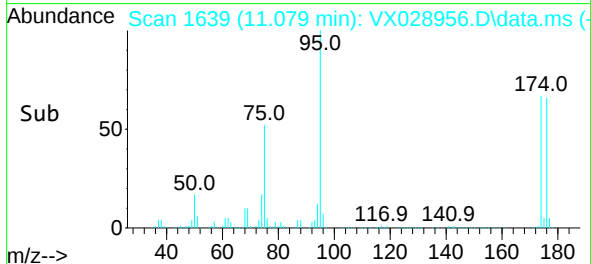
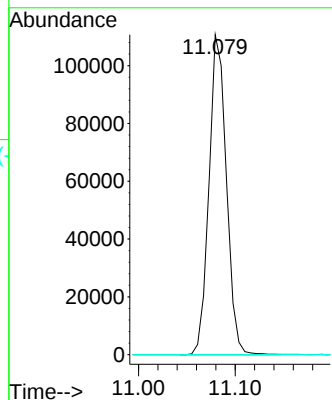
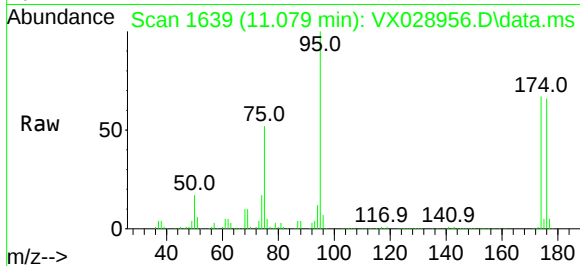




#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.591 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX028956.D
 Acq: 25 May 2022 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 FD-2

Tgt Ion: 75 Resp: 138574
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.277 ug/l
 RT: 12.762 min Scan# 1915
 Delta R.T. -0.182 min
 Lab File: VX028956.D
 Acq: 25 May 2022 17:24

Tgt Ion: 75 Resp: 412
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.0 141.2#
 157 0.0 57.9 173.6#

